

## CURRICULUM VITAE

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Born: Grand Rapids, MI  
June 19, 1956

### RESEARCH & ADMINISTRATIVE EXPERIENCE

**Director, Montana Natural Heritage Program.** Performed under contract for the University of Montana and Montana State Library. (March 1998 – Present)

Manage the state's primary repository for biological information on Montana's native species, terrestrial and aquatic communities and ecosystems, emphasizing their distribution, status and management. Supervise and coordinate the work of 18 staff, including eight professional scientists (botanist, ecologists, zoologists), five information technology specialists and five administrative/technical support staff. Oversee proposal development and administration of research grants and government contracts totaling approximately \$1.8 million from a variety of institutions, including the U.S. Forest Service, Bureau of Land Management, Geological Survey, Fish & Wildlife Service, Bonneville Power Association; the Montana State Library and Departments of Environmental Quality, Fish Wildlife & Parks, Agriculture, and Transportation; and The Nature Conservancy and NatureServe. Oversee quality and content of scientific publications, including 91 technical reports to date. Lead short- and long-range planning, guide methodology and data system development, and facilitate effective partnerships with state and federal agencies, academic institutions, the private sector, and legislators.

**Coordinator/Science Director, Great Lakes Program,** The Nature Conservancy: 1992 - 1998.

Established the Great Lakes Program, a collaborative initiative to protect the biological integrity and diversity of the Great Lakes region. Solicited and administered private and government grants totaling over \$2.5 million, including a \$1.5 million implementation grant from the Great Lakes Program Office of the U.S. Environmental Protection Agency. Assembled and analyzed biological data from databases in eight states and two provinces to identify biologically critical areas for ecosystem health. Led international team of scientists in documenting alvar ecosystems and identifying regional conservation priorities. Produced the first basin-wide conservation assessment for the Great Lakes region.

**Director, Canadian Heritage Task Force,** The Nature Conservancy: 1988 - 1992.

Oversaw the development of Conservation Data Centers in Quebec, British Columbia, Saskatchewan and Ontario. Hired, trained and supervised scientific staff, fundraised, negotiated and administered public and private grants. Provided scientific oversight.

**Program Coordinator/Botanist, Michigan Natural Features Inventory,** The Nature Conservancy under contract to Department of Natural Resources: 1982 - 1988.

Supervised scientific, technical and support staff. Provided scientific oversight. Wrote proposals and secured public and private grants and contracts. Assembled herbarium and published records documenting over 3000 occurrences of plant species; analyzed data and assigned conservation ranks. Conducted and produced reports on field surveys, demographic studies and ecological assessments throughout the state.

## ACADEMIC BACKGROUND

M.S. in Botany, Michigan State University: June 1980. Emphasis in plant taxonomy and conservation biology. Thesis title: Nature Preserves in Michigan: 1920 – 1980.

B.S. in Botany, Michigan State University, Honors College: March 1978. Emphasis in plant taxonomy and field biology.

## TEACHING EXPERIENCE

Botany 400, Systematic Botany; Michigan State University, 1978 & 1979

Botany 341, Introductory Plant Taxonomy; Michigan State University, 1977 - 1979

## PUBLICATIONS AND REPORTS

- Barton, D. and **S. Crispin**. 2004. Conservation Status of *Botrychium lineare* (slender moonwort) in Montana. Report to the U.S. Fish and Wildlife Service. Montana Natural Heritage Program, Helena, MT. 16 pp. plus appendices.
- Barton, D. and **S. Crispin**. 2003. Globally Significant Plants in Southeastern Big Horn and Southwestern Rosebud Counties, Montana. Montana Natural Heritage Program, Helena. 27 pp. plus appendices.
- Heidel, B., C. Jean and **S. Crispin**. 2002. Plant Species of Concern and Plant Associations of Powder River County, Montana. Report to the Bureau of Land Management. Montana Natural Heritage Program, Helena, Montana. 23 pp.
- Jean, C., and **S. Crispin**. 2001. Inventory of Important Biological Resources in the Upper Yellowstone River Watershed. Report to the Environmental Protection Agency. Montana Natural Heritage Program, Helena Montana. 26 pp. plus appendices.
- Crispin, S.R. 1999. "The Global Significance of Great Lakes Islands" and "Case Study: The International Alvar Conservation Initiative" in *State of the Great Lakes Islands* report, K. Vigmostad, ed. Mich. State Univ. 100pp.
- The Nature Conservancy. 1997. Great Lakes in the Balance. Great Lakes Program, Chicago. 24 pp.
- The Nature Conservancy. 1994. The Conservation of Biological Diversity in the Great Lakes Ecosystem: Issues & Opportunities. Great Lakes Program Office. 118pp.
- Crispin, S.R. 1994. The Great Lakes Biodiversity Data System. Report from The Nature Conservancy of Canada and The Nature Conservancy. Toronto, Ontario and Chicago, Illinois.
- Crispin, S.R. 1994. Identifying biological priorities in the Great Lakes Ecosystem, in Symposium on Ecological Restoration Proceedings, March 1993, pgs. 35-37. U.S. EPA, Office of Water.
- Crispin, S.R. 1993. A Report on the Great Lakes Biodiversity Data System. Nature Conservancy of Canada and The Nature Conservancy. 16pp.
- Crispin, S. & L. Dupuis. 1992. Technological Barriers - a commentary in "Breaking the Barriers to Environmental Information." Env. Monit. & Assess. 20: 181-183.
- Crispin, S.R. 1991. Using Natural Heritage Data to Monitor Great Lakes Ecosystem Health.
- Beadle, S. and **S.R. Crispin**. 1990. The Elusive Monkeyflower. Michigan Natural Resources Magazine. 59: 42-43.
- Crispin, S.R. 1990. Networking heritage data for rangewide conservation. Biodiversity Network News 3(4): 1-2,7.
- Crispin, S.R. 1990. A biological database for monitoring the Great Lakes Ecosystem, in Wetlands of the Great Lakes, Symposium Proceedings, pgs 43-45. Assoc. State Wetl. Mgrs.

- Crispin, S.R., et al. 1990. Carolinian Canada Conservation Data Centre Project. Report to the Ontario Natural Heritage Foundation and Ministry of Natural Resources. 37pp, Appxs 1-8.
- Crispin, S.R. 1989. Passage Island. Michigan Natural Resources Magazine. 58: 10-15.
- Reese, G. A., D. A. Albert, **S. R. Crispin**, L. A. Wilsmann, S. J. Ouwinga, J. A. Bess. 1989. Draft Report on a Natural Areas Inventory of Manistee County, Michigan. . Michigan Natural Features Inventory report number 1989-07. 36pp. + appendices.
- Penskar, M. R. and **S. R. Crispin**. 1989. Rangewide Status Survey of *Mimulus glabratus* var. *michiganensis* (Pennell) Fassett, the Michigan Monkey-Flower. Report to the U. S. Fish and Wildlife Service, Region 3 Endangered Species Office. . Michigan Natural Features Inventory report number 1989-06. 12pp. + appendices/maps.
- Crispin, S.R. 1988. It's Prairie Smoke! Michigan Natural Resources Magazine. 57: 44-45.
- Reese, G. A., D. A. Albert, **S. R. Crispin**, L. A. Wilsmann, and S. J. Ouwinga. 1988. A Natural Areas Inventory of Oakland County, Michigan; Vol. 1, Technical Report; Vol. 2. Maps. Report to the Oakland County Planning Division. Michigan Natural Features Inventory report number 1988-14. 242pp.
- Reese, G. A., D. A. Albert, **S. R. Crispin**, L. A. Wilsmann, J. A. Bess, M. R. Penskar and S. J. Ouwinga. 1988. A Natural Areas Inventory of Ottawa County, Michigan. Report to the Ottawa County Planning Commission. Michigan Natural Features Inventory report number 1988-13. 175pp.
- Reese, G. A., D. A. Albert, and **S. R. Crispin**. 1988. Interim Report on a Natural Areas Inventory of the Huron-Manistee National Forests (March 1987 - April 1988). Michigan Natural Features Inventory report number 1988-12. 103pp.
- Albert, D. A., G. A. Reese, **S. R. Crispin**, M. R. Penskar, L. A. Wilsmann, and S. J. Ouwinga. 1988. A Survey of Great Lakes Marshes in the Southern Half of Michigan's Lower Peninsula. Report to the Michigan Department of Natural Resources, Land and Water Management Division. Michigan Natural Features Inventory report number 1988-07. 116pp.
- Crispin, S.R. 1987. Natural Features Inventory: A valuable tool. Natural Resources Register 7: 19.
- Herman, K. and **S. Crispin**. 1987. Operation Wildflower. Michigan Natural Resources Magazine. 56: 12-21.
- Wilsmann, L. A., **S. R. Crispin**, D. A. Albert, G. A. Reese, and S. J. Ouwinga. 1987. Piping Plover Survey on the Beaver and Fox Island Groups. Report to the Michigan Department of Natural Resources, Land and Water Management Division, Coastal Zone Management Program. Michigan Natural Features Inventory report number 1987-05. 4pp.
- Albert, D. A., **S. R. Crispin**, G. A. Reese, L. A. Wilsmann, and S. J. Ouwinga. 1987. A Survey of Great Lakes Marshes in Michigan's Upper Peninsula. Report to the Michigan Department of Natural Resources, Land and Water Management Division. Michigan Natural Features Inventory report number 1987-02. 73pp.
- Reese, G. A., D. A. Albert, **S. R. Crispin**, L. A. Wilsmann, and S. J. Ouwinga. 1986. Final Report on a Natural Areas Inventory of Michigan's Designated Sand Dune Areas. Report to the Michigan Department of Natural Resources, Land Resource Programs Division. Michigan Natural Features Inventory report number 1986-04. 67pp.
- Reese, G. A., D. A. Albert, **S. R. Crispin**, L. A. Wilsmann, and S. J. Ouwinga. 1986. A Natural Areas Inventory of Moran Township, Mackinac County, Michigan. Report to the Mackinac Township Planning Commission. Michigan Natural Features Inventory report number 1986-03. 75pp.
- Crispin, S. R., L. A. Wilsmann, G. A. Reese, D. A. Albert, and S. J. Ouwinga. 1986. Michigan Natural Features Inventory: Progress from January 1985 through June 1986. Report to the National Park Service for LWCF SCORP Grant. Michigan Natural Features Inventory report number 1986-02. 5pp. + appendices.
- Beaman, J.H., E.A. Bourdo, **S.R. Crispin**, A.R. Reznicek, E.G. Voss and W.H. Wagner. 1985. Endangered and threatened vascular plants in Michigan II. Third biennial review proposed list. Michigan Botanist 24: 99-115.

- Crispin, S.R., K.A. Chapman and J.K. Marr. 1985. A comprehensive survey of the rare, threatened, and endangered plants on Passage Island, Isle Royale National Park, Michigan. Report to the National Park Service. 72pp.
- Crispin, S.R., et al. 1985. An overview of endangered and threatened species in Hiawatha National Forest, Michigan. Report to Hiawatha National Forest. 327pp.
- Wilsman, L. A., K.A. Chapman, **S. R. Crispin**, and S. J. Ouwinga. 1985. Piping Plover Habitat Survey. Report to the Michigan Natural Resources Department, Land Resource Programs Division. Michigan Natural Features Inventory report number 1985-10. 9pp.
- Chapman, K. A., et al. 1985. A Survey for Prairie Remnants in the Grand River Valley Between Ionia and Grand Rapids, Michigan. Report to the Natural Areas Conservancy of West Michigan, Inc. Michigan Natural Features Inventory report number 1985-06. 4pp.
- Chapman, K. A., **S. R. Crispin**, L. A. Wilsman, and S. J. Ouwinga. 1985. Natural Area Inventory of Designated Sand Dune Areas in Michigan. Report to the Michigan Department of Natural Resources, Land Resource Programs Division. Michigan Natural Features Inventory report number 1985-04. 46pp.
- Chapman, K. A., **S. R. Crispin**, L. A. Wilsman, and S. J. Ouwinga. 1985. A Natural Features Inventory of the Grand River Valley in Ottawa County, Michigan. Report to the Natural Areas Conservancy of West Michigan, Inc. Michigan Natural Features Inventory report number 1985-03. 39pp.
- Chapman, K. A. and **S. R. Crispin**. 1985. A Comprehensive Survey for *Platanthera leucophaea* (prairie white fringed orchid) in Michigan. Michigan Natural Features Inventory report number 1985-02. 20pp.
- Crispin, S.R., B.L. Dunevitz, E. Katz, and K.A. Chapman. 1984. A survey for endangered, threatened and special concern plant species in Pictured Rocks National Lakeshore.
- Crispin, S.R., et al. 1984. An overview of endangered and threatened species in Huron-Manistee National Forests, Michigan. Report to Huron-Manistee National Forest. 184pp.
- Crispin, S.R., V.L. Dunevitz and J.K. Marr. 1984. A survey for endangered, threatened and special concern plant species in Isle Royale National Park, Michigan. Report to the Nat.Pk Serv.
- Crispin, S.R. 1984. Inventory: From Prairie to Plovers. Natural Resources Register 4: 26-27.
- Chapman, K.A. and **S.R. Crispin**. 1984. A field search for Newaygo County prairies based on air photos and the soil survey. Michigan Botanist 23: 69-75.
- Crispin, S. R., K. A. Chapman, L. A. Wilsman, and S. J. Ouwinga. 1984. The Michigan Natural Features Inventory: A third-year progress report covering October 1982—September 1983. Report to the National Park Service for LWCF SCORP grant. 14 pp. + appendices. Michigan Natural Features Inventory report number 1984-03.
- Chapman, K. A. and **S. R. Crispin**. 1984. A Field Search for Newaygo County Prairies Based on Air Photos and the Soil Survey. Michigan Botanist 23:69-75. Michigan Natural Features Inventory report number 1984-01.
- Crispin, S.R. 1983. Special Natural Features of Keweenaw County in "Keweenaw Shoreland Management Plan" ed. by David Warner, Mich. DNR for the Keweenaw County Zoning-Planning Commission. 94pp.
- Crispin, S. R. 1983. Special Natural Features of Keweenaw County. In Keweenaw Shoreland Management Plan. David Warner, ed. Michigan Department of Natural Resources, for the Keweenaw County Board of Commissioners and Keweenaw County Zoning-Planning Commission. Michigan Natural Features Inventory report number 1983-01. 94pp.
- Crispin, S.R., et al. 1982. A natural features inventory of the Great Lakes coastal zone of Michigan. Report to the Michigan Department of Natural Resources. 37pp.
- Master, L.L, W. M. Rose, **S. R. Crispin**, S. J. Ouwinga, J. F. Gereau, and M. A. DeBoer. 1982. The Michigan Natural Features Inventory Program. A two year progress report. 134pp.
- Master, L. L., W. M. Rose, **S. R. Crispin**, S. J. Ouwinga, J. F. Gereau, and H. T. Kuhn. 1981. A Natural Features Inventory of the Upper and Lower Portions of the Clinton River Watershed. Report to

- the U.S. Army Corps of Engineers, Detroit District. Michigan Natural Features Inventory report number 1981-02. 27pp. + appendices.
- Crispin, S. R. 1981. *Mimulus glabratus* var. *michiganensis* (pennell) Fassett, Michigan Monkey-flower (Scrophulariaceae) in Michigan. Report to the U. S. Fish and Wildlife Service, Region 3 Endangered Species Program. Michigan Natural Features Inventory report number 1981-01. 7pp.
- Crispin, S.R. 1980. Nature Preserves in Michigan, 1920-1979. Mich. Botanist (special issue) 19: 99-242.
- Wagner, W.H., T.F. Daniel, J.M. Beitel and **S.R. Crispin**. 1980. Studies on Populus heterophylla in southern Michigan. Michigan Botanist 19: 269-275.
- Crispin, S.R., editor. 1981-1987. Natural Heritage News. Quarterly publication of the Michigan Natural Areas Council/Natural Features Inventory.

### **Awards:**

Michigan State University College of Natural Science, Outstanding Alumni Award, 1985

### **Service**

U.S. Section Council, NatureServe; 1999 – 2003  
Pitcher's Thistle Recovery Team, U.S. Fish & Wildlife Service  
Dwarf Lake Iris Recovery Team, U.S. Fish & Wildlife Service  
Technical Advisory Committee, Michigan Endangered Species Program; Chair 1981 - 1986